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PTO/SB/05 (2/98) Approved through 09/30/2000.\* OMB 0651-0032

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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 1709898

First Inventory or Application Identifier HAROLD A. DVORACHEK

Title ROTARY CONTACT STRUCTURES AND CUTTING ELEMENTS

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Express Mail Label No. | El277423417US

| 1. X   Fee Transmittal Form (a.g., PTO/SBV/7)   Submit an original and a duplicate for fee processing)   6. Microfiche Computer Program (Appendix)   90   91   91   92   92   93   93   94   94   94   94   94   94  | See MPEP o   | APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.   | ADDRESS TO: Commissioner for Patents Box Patent Application Washington, DC 20231   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| Descriptive title of the Invention   Description of the Discosure   Description of the Drawings (if filed)   Detailed Description   Description   Description   Detailed Description   Detailed Description   Detailed Description   Detailed Description   Detailed Description   Detailed Description    | 1. X *Fe   | ee Transmittal Form (e.g., PTO/SB/17) ubmit an original and a duplicate for fee processing)  | 6. Microfiche Computer Program (Appendix)  |  |  |  |  |  |  |
| - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  3. X Drawing(s) (35 U.S.C. 113)   Total Sheets   14   1   4. Oath or Declaration - Total Pages   2   1   - a. X Newly executed (original or copy) - Detailed Description (if or continuation/divisional with Box 17 completed) - Jete Box 5 below!  - Detailed Description - Claim(s) - Abstract of the Disclosure  3. X Newly executed (original or copy) - Declaration - Total Pages   2   1   - a. X Newly executed (original or copy) - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation/divisional with Box 17 completed) - Jete Box 5 below!  - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation/divisional with Box 17 completed) - Jete Box 5 below!  - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation/divisional with Box 17 completed) - Jete Box 5 below!  - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation/divisional with Box 17 completed) - Jete Box 5 below!  - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation of the Disclosure of the prior application, see 37 C.F.R. § 1.63(d)) - (for continuation of the Disclosure of the prior application, see 37 C.F.R. § 1.63(d)) - (for continuation of the Disclosure of the prior application, see 37 C.F.R. § 1.63(d)) - (for continuation of the Disclosure of the prior application, see 37 C.F.R. § 1.63(d)) - (for continuation of the Disclosure of the prior application of the  |  |  | 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)   |  |  |  |  |  |  |
| Statement Regarding Fed sponsored R & D  Reference to Microfiche Appendix  Background of the Invention  Brief Summary of the Invention  Brief Description of the Drawings (if filed)  Detailed Description  Claim(s)  Claim(s)  Abstract of the Disclosure  Drawing(s) (35 U.S.C. 113) [Total Sheets 14]  A. Oath or Declaration  Drawing(s) (35 U.S.C. 113) [Total Sheets 14]  A. Oath or Declaration  Total Pages 2]  D. Copy from a prior application (37 C.F.R. § 1.63(d)) [Inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d)) [Incorporation By Reference (useable if Box 4b is checked)]  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b. is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  The Continuation Disclosure of the prior application, see 37 C.F.R. § 1.63(d)) [Incorporation By Reference (useable if Box 4b is checked)]  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b. is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  The Continuation Divisional Continuation-in-part (CIP) of prior application information. Examiner  Total Pages 2   Incorporation between the continuation and the prior application in page 2   Incorporation between the continuation between the contin | - De   | escriptive title of the Invention  | a. Computer Readable Copy  |  |  |  |  |  |  |
| - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  3. X Drawing(s) (35 U.S.C. 113) [Total Shaets 14]  4. Oath or Declaration  2. Total Pages 2]  3. X Newly executed (original or copy)  4. Oath or Declaration  3. X Newly executed (original or copy)  5. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) (when there is an assignee)  6. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) (for continuation/divisional with Box 17 completed) (for continuation/divisional with Box 17 completed) (for continuation-fix) named in the prior application, see 37 C.F.R. § 1.63(d)2) and 1.33(b). Incorporation By Reference (useable if Box 4b is checked)  5. Incorporation By Reference (useable if Box 4b is checked)  The entire disclosure of the prior application, see 37 C.F.R. § 1.63(d)2) and 1.33(b). Incorporation By Reference (useable if Box 4b is checked)  The entire disclosure of the prior application and is hereby incorporated by reference therein  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  18. Assignment Papers (cover sheet & document(s))  9. 37 C.F.R. § 1.63(b) (here)  10. English Translation Document (if applicable)  11. Statement (IS) Power of Attorney  12. Preliminary Amendment  13. X Return Receipt Postcard (MPEP 503)  14. X Statement (IPP Postcard (MPEP 503)  15. Well of the section of the s |  | ••   | b. Paper Copy (identical to computer copy)   |  |  |  |  |  |  |
| Background of the Invention Brief Summary of the Invention Brief Summary of the Invention Brief Description Claim(s) Detailed Description Claim(s) Assignment Papers (cover sheet & document(s)) Detailed Description Claim(s) Assignment Papers (cover sheet & document(s)) Assignment Papers (cover sheet & document(s)) Brief Description Claim(s) Assignment Papers (cover sheet & document(s)) Brief Description Claim(s) Drawing(s) (35 U.S.C. 113) [Total Sheets  |  |  |  |  |  |  |  |  |  |
| - Shrief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Detailed Description - Claim(s) - Abstract of the Disclosure  3. X Drawing(s) (35 U.S.C. 113) [Total Sheets 14] - A. Oath or Declaration - Total Pages 2] - A. Newly executed (original or copy) - Detailed Description - Copy from a prior application (37 C.F.R. § 1.63(d)) - (for continuation/divisional with Box 17 completed) - (for continuation/divisional with Box 17 completed) - (for southward and tatched deleting inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33(b) - DELETION DETINEMENTOR(s) - Incorporation By Reference (useable it Box 4b is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: - Continuation Divisional Continuation-in-part (CIP) - Prior application information: Examiner  18.  |  |  | c. Statement verifying identity of above copies  |  |  |  |  |  |  |
| Detailed Description Claim(s) Abstract of the Disclosure  3. X Drawing(s) (35 U.S.C. 113) [Total Sheets 14 ] 4. Oath or Declaration  a. X Newly executed (original or copy) b. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) (for continuation prior application (37 C.F.R. § 1.63(d)) (for continuation in the prior application, see 37 C.F.R. §§ 1.63(d)) The entire disclosure of the prior application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation Divisional Continuation-in-part (CIP) of prior application information: Examiner    Address   JOHN R. CROSSAN   PRIENT INNORMAN   PRIENT I | - Bri  | rief Summary of the Invention  | ACCOMPANYING APPLICATION PARTS   |  |  |  |  |  |  |
| - Claim(s) - Abstract of the Disclosure 3. X Drawing(s) (35 U.S.C. 113) [Total Sheets 14 ] 4. Oath or Declaration [Total Pages 2 ]  a. X Newly executed (original or copy)  b. Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/disclosure with Box 17 completed) (for continuation/disclosure with Box 17 completed) (for live storing inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33(b).  5. Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33(b).  6. Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the disclosure of the decempanying application and is hereby incorporated by reference therein.  7. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  18. Customer Number or Bar Code Label  19. Group   Status III   Visional   Continuation-in-part (CIP)   Origin priority is claimed)  19. (Information Disclosure   Continuation-in-part (CIP)   Origin priority is claimed)  19. (Information Disclosure   Continuation-in-part (CIP)   Other.  19. (If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  19. (Insert Customer Number or Bar Code Label)  10. (Insert Customer Number or Bar Code Label)  11. (Insert Customer Number or Bar Code Label)  12. Preliminary Amendment  13. (X) Statument (IMPEPSO3)  14. (X) Statument (IMPEPSO3)  15. (If foreign priority is claimed)  16. Other.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  18. (Insert Customer Number or Bar Code Label)  19. (Insert Customer Number or Bar Code Label)  19. (Insert Customer Number or Bar Code Label)  19. (Insert Customer Number or Bar Cod |  |  | 8. Assignment Papers (cover sheet & document(s))   |  |  |  |  |  |  |
| 3. X Drawing(s) (35 U.S.C. 113) [Total Sheets 14] [10.   |  | •  |  |  |  |  |  |  |  |
| 4. Oath or Declaration   [Total Pages 2   ]  | - Ab   | bstract of the Disclosure  | 10. English Translation Document (if applicable)   |  |  |  |  |  |  |
| a. X Newly executed (original or copy) b. Copy from a prior application (37 C.F.R. § 1.63(d)) f(for continuation/divisional with Box 17 completed) f(for continuation f(for continuation)  DELETION OF INVENTORIS) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33(b).  Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Continuation   Divisional   Continuation-in-part (CIP)   of prior application No:    The application information: Examiner   Group / Art Unit:   | 3. X Dra   | awing(s) (35 U.S.C. 113) [Total Sheets 14]   |  |  |  |  |  |  |  |
| b. Copy from a prior application (37 C.F.R. § 1.63(d))  (Ior continuation/divisional with Box 17 completed) (Ior continuation Signed Statement attached deleting inventor(s) name of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner Group / Art Unit:  18. **THE BOX AND PRIOR STATE (STATE (STA | 4. Oath or D   | Declaration [Total Pages 2]  | 12. Preliminary Amendment  |  |  |  |  |  |  |
| Continuation   Divisional   D   | a. X   |  |  |  |  |  |  |  |  |
| i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).  5. Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner  18. Ce ADDRESS  X Customer Number or Bar Code Label  (Insert Customer No: or Alfach bar code label here)  Name  JOHN R. CROSSAN  PRIENT TRIODHRIX OFFICE  CHAPMAN AND CUTLER  Address  City Chicago  State IL  Zip Code 60603  Fax 312-701-2361  Registration No. (Attomety/Agent) 27, 433  | b  | (for continuation/divisional with Box 17 completed)  | v   Statement(s)     Statement filed in prior application,   |  |  |  |  |  |  |
| Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).  5. Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner  18. In the prior application information information information information information information information:  19. In the prior application information: Examiner  19. In the prior application information: Examiner  19. In the prior application information: Examiner  10. Customer Number or Bar Code Label  11. Vision Customer No. (Altonby Agent)  12. In the prior information of prior information informati |  | : DELETION OF INVENTOR(S)  | (PTO/SB/09-12) Status Still proper and desired   |  |  |  |  |  |  |
| See 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).  Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner Group / Art Unit:  18   | •  | Signed statement attached deleting   |  |  |  |  |  |  |  |
| Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation  Divisional  Continuation-in-part (CIP)  Prior application information:  Examiner  Group / Art Unit:  Customer Number or Bar Code Label  Insert Customer No. or Affach bar code label here!  Address  JOHN R. CROSSAN  PRIENT TRADEMENT OFFICE  CHAPMAN AND CUTLER  Address  City  Chicago  State  IL  Zip Code  60603  County  US  Registration No. (Attomey/Agent)  27, 433  Registration No. (Attomey/Agent)  27, 433  |  | see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).   |  |  |  |  |  |  |  |
| copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner  18  |  |  | TO. Curer.   |  |  |  |  |  |  |
| considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.    APPLICATION is RELED UPON (37 C.F.R. § 128).   |  |  |  |  |  |  |  |  |  |
| 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation  Divisional  Continuation-in-part (CIP)  of prior application No:  Prior application information:  Examiner  Group / Art Unit:  18  | cons   | sidered to be part of the disclosure of the accompanying   | NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (27 § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28). |  |  |  |  |  |  |
| Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information: Examiner  18   |  |  |  |  |  |  |  |  |  |
| State   IL   Zip Code   G0603  |  |  |  |  |  |  |  |  |  |
| X Customer Number or Bar Code Label  24240  Or Correspondence address below    Contract Customer No. or Attach bar code label here   | Prior ap   | pplication information: Examiner   | Group / Art Unit:  |  |  |  |  |  |  |
| X Customer Number or Bar Code Label  24240  Or Correspondence address below    Contract Customer No. or Attach bar code label here   |  |  |  |  |  |  |  |  |  |
| CHAPMAN AND CUTLER   | X Customer Number or Bar Code Label 24240 or Correspondence address below    |  |  |  |  |  |  |  |  |
| CHAPMAN AND CUTLER   | Name   | Silver control | ······································   |  |  |  |  |  |  |
| City         Chicago         State         IL         Zip Code         60603           County         US         Telephone         312-845-3420         Fax         312-701-2361           Name (Print/Type)         JOHN R. CROSSAN         Registration No. (Attorney/Agent)         27, 433   |  | CHAPMAN AND CUTLER   |  |  |  |  |  |  |  |
| County         US         Telephone         312-845-3420         Fax         312-701-2361           Name (PrinvType)         JOHN R. CROSSAN         Registration No. (Attorney/Agent)         27, 433   | Address 111 W. Monroe Street   |  |  |  |  |  |  |  |  |
| County         US         Telephone         312-845-3420         Fax         312-701-2361           Name (PrinvType)         JOHN R. CROSSAN         Registration No. (Attorney/Agent)         27, 433   | City Chicago State IL  |  | Zip Code 60603   |  |  |  |  |  |  |
|  | County   | <del></del>  | 5-3420 Fax 312-701-2361  |  |  |  |  |  |  |
|  | Name (Print/Type) JOHN R. CROSSAN Registration No. (Attorney/Agent) 27, 433, |  |  |  |  |  |  |  |  |
|  | Signature Date 1/2/or  |  |  |  |  |  |  |  |  |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



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|  |                                 |                      | Complete if Known       |            |  |  |  |
|--|---------------------------------|----------------------|-------------------------|------------|--|--|--|
|  |                                 | Application Number   |                         | .0         |  |  |  |
| FEE TRAN   | SMITTAL                         | Filing Date          | November 28, 2000       | 200        |  |  |  |
| Patent fees are subject to annu<br>These are the fees effect   |                                 | First Named Inventor | Harold A. Dvorachek     | <u></u>    |  |  |  |
| Small Entity payments <u>must</u> be suppo   | orted by a small entity stateme |                      |                         | 12.c       |  |  |  |
| otherwise large entity fees must be paid. See Forms PTO/SB/09-12.<br>See 37 C.F.R. §§ 1.27 and 1.28. |                                 | Group / Art Unit     |                         | 4          |  |  |  |
| TOTAL AMOUNT OF PAYMENT  | 6) 625                          | Attorney Docket No.  | 1709898                 | 8 <u>0</u> |  |  |  |
| METHOD OF PAYMENT (check one)  |                                 | FEE C                | CALCULATION (continued) |            |  |  |  |
| The Commissioner is beauty   | authorized to about             | 3. ADDITIONAL FEES   |                         |            |  |  |  |

| METHOD OF PAYMENT (check one)  | FEE CALCULATION (continued)                            |         |        |             |                                      |                                       |               |
|--|--|---------|--------|-------------|--------------------------------------|---------------------------------------|---------------|
| The Commissioner is boundered and a share  | 3. ADDITIONAL FEES                                     |         |        |             |                                      |                                       |               |
| 1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: | Large  | Entity  | Small  | Entity      |                                      |                                       |               |
| Denosit  | Fee  | Fee     | Fee    | Fee         | Fe                                   | e Description                         | Fee Paid      |
| Account 50-0305  | Code   | (\$)    | Code   | (\$)        |                                      |                                       |               |
| Deposit CHAPMAN AND CUTLER   | 105  | 130     | 205    | 65          | Surcharge - late fi                  | ling fee or oath                      |               |
| Account Name   | 127  | 50      | 227    | 25          | Surcharge - late p                   | provisional filing fee or             |               |
| Charge any Additional Charge the Issue Fee Set in  |  |         |        |             | cover sheet                          | _                                     |               |
| X Fee Required Under 37 C.F.R. § 1.16 and 1.17   | 139  | 130     | 139    | 130         | Non-English speci                    | fication                              |               |
|  | 147  | 2,520   | 147    | 2,520       | For filing a reques                  | t for reexamination                   |               |
| 2. X Payment Enclosed:   | 112  | 920*    | 112    | 920*        |                                      | ation of SIR prior to                 |               |
| X Check Money Order Other  | 440  | 1 0401  | 440    | 4 0401      | Examiner action                      | -N4 OID1                              |               |
| FEE CALCULATION  | 113  | 1,840*  | 113    | 1,840*      | Requesting public<br>Examiner action | ation of SIH prior                    |               |
|  | 115  | 110     | 215    | 55          |                                      | within first month                    |               |
| 1. BASIC FILING FEE  | 116  | 400     | 216    | 200         |                                      | within second month                   |               |
| Large Entity Small Entity Fee Fee Fee Fee Description Fee paid                                     | 117  | 950     | 217    | 475         | • •                                  | within third month                    |               |
| Code (\$) Code (\$)  | 118  | 1,510   | 218    | 755         |                                      | within fourth month                   |               |
| 101 710 201 355 Utility filing fee 355   | 128  | 2,060   | 228    | 1.030       |                                      | within fifth month                    |               |
| 106 330 206 165 Design filing fee  | 119  | 310     | 219    | 155         | Notice of Appeal                     | •                                     |               |
| 107 540 207 270 Plant filing fee   | 120  | 310     | 220    | 155         | Filing a brief in sur                | pport of an appeal                    |               |
| 108 790 208 395 Reissue filing fee   | 121  | 270     | 221    | 135         | Request for oral h                   | • •                                   |               |
| 114 150 214 75 Provisional filing fee  | 138  | 1,510   | 138    | 1,510       | •                                    | a public use proceeding               |               |
| SUBTOTAL (1) (\$) 355  | 140  | 110     | 240    | 55          | Petition to revive -                 | •                                     |               |
| 2. EXTRA CLAIM FEES  | 141  | 1,320   | 241    | 660         | Petition to revive -                 | - unintentional                       |               |
| Fee from   | 142  | 1,320   | 242    | 660         | Utility issue fee (o                 | r reissue)                            |               |
| Extra Claims below Fee Paid  | 143  | 450     | 243    | 225         | Design issue fee                     |                                       |               |
| Total Claims 50 -20** = 30 X 9 = 270   | 144  | 670     | 244    | 335         | Plant issue fee                      |                                       |               |
| Independent 3 - 3** = 0 X = 0  | 122  | 130     | 122    | 130         | Petitions to the Co                  | mmissioner                            |               |
| Claims   | 123  | 50      | 123    | 50          | Petitions related to                 | provisional applications              |               |
| Multiple Dependent = 0   | 126  | 240     | 126    | 240         | Submission of Info                   | ormation Disclosure Stmt              |               |
| **or number previously paid, if greater; For Reissues, see below                                   | 581  | 40      | 581    | 40          |                                      | atent assignment per                  |               |
| Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid                                     |  |         |        |             |                                      | mber of properties)                   |               |
| Code (\$) Code (\$)  | 146  | 790     | 246    | 395         | Filing a submissio (37 CFR 1.129(a)) | n after final rejection               |               |
| 103 18 203 9 Claims in excess of 20  | 149  | 790     | 249    | 395         |                                      |                                       |               |
| 102 80 202 40 Independent claims in excess of 3  | 149  | 790     | 249    | 393         | (37 CFR 1.29(b))                     | al invention to be examine            | <sup>30</sup> |
| 104 270 204 135 Multiple dependent claim, if not paid  | Other  | fee (sp | ecify) |             |                                      |                                       |               |
| 109 82 209 41 **Reissue dependent claims over  |  | fee (sp | • •    |             |                                      |                                       | _             |
| original patent 110 22 210 11 ** Reissue claims in excess of 20                                    | * Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0 |         |        |             |                                      |                                       |               |
| and over original patent   | SUBTUTAL (3) (4) 0                                     |         |        |             |                                      |                                       |               |
| SUBTOTAL (2) (\$) 270  |  |         |        |             |                                      |                                       |               |
| SUBMITTED BY \   |  |         |        |             |                                      | Complete (if applicat                 | ole)          |
| Type or JOHN R CROSSAN /   | -  |         |        |             |                                      | · · · · · · · · · · · · · · · · · · · | 27,433        |
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